

# Converting Colors

XYZ(78.5031, 70.1905, 46.9744)

Have a look what the booklet for  
XYZ(78.5031, 70.1905, 46.9744)  
contains.

<b>XYZ(69.0557, 65.4331, 46.5263)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(69.0557, 65.4331,  
46.5263)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFC8A9
RGB	255, 200, 169
RGB Percent	100%, 78%, 66%
CMY	0.0000, 0.2157, 0.3372
CMYK	0.00, 0.22, 0.34, 0.00
HSL	22°, 100%, 83%
HSV	22°, 34%, 100%
XYZ	69.0557, 65.4331, 46.5263
YIQ	212.9110, 42.7310, 2.0190

# Conversions

## Conversions Part 2

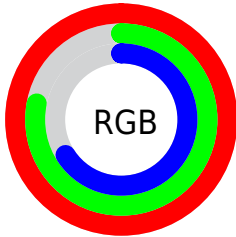
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 217, 169
Decimal	16763049
CIE Lab	84.71, 15.41, 22.99
CIE LCh	85, 27.680, 56.160
Yxy	65.4331, 0.3815, 0.3615
Android (android.graphics.Color)	4294953129 (0xFFFFC8A9)
YUV	212.9110, -21.6481, 36.9121
Hunter-Lab	80.8907, 10.8251, 22.5214

# Details

The XYZ color **69.0557, 65.4331, 46.5263** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **61.0669, 68.9639, 104.7005**, and the grayscale version is **63.3079, 66.6048, 72.5327**.

A 20% lighter version of the original color is **90.4545, 98.1618, 84.7007**, and **36.5157, 33.7124, 21.4122** is the 20% darker color. If you saturate the color by 10%, you get **63.3142, 57.4148, 33.9314**, and if you desaturate by 10%, it is **75.6702, 74.4499, 61.7168**.

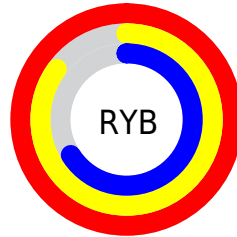
# Distribution



Red (100%)

Green (78%)

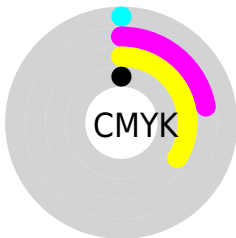
Blue (66%)



Red (100%)

Yellow (85%)

Blue (66%)

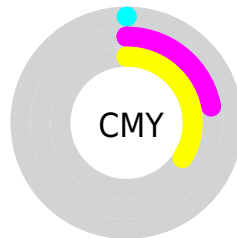


Cyan (0%)

Magenta (22%)

Yellow (34%)

Black (0%)



Cyan (0%)

Magenta (22%)

Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.0557, 65.4331, 46.5263 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 69.0557, 65.4331, 46.5263 by changing the saturation by 10% instead.




 69.0557, 65.4331,  
46.5263

 69.0557, 65.4331,  
46.5263

446.5457,  
444.3467, 389.2594

 51.0339, 47.8124,  
32.3097


 116.8948,  
112.6723, 86.3487

 36.4567, 33.6783,  
21.3314

147.4427,  
143.0595, 112.7915

 24.9589, 22.6466,  
13.1728


182.8968,  
178.4710, 144.1468

 16.1750, 14.3328,  
7.4155

223.6222,  
219.2912, 180.8331

 9.7397, 8.3525,  
3.6410

269.9845,  
265.9045, 223.2690

 5.2876, 4.3213,  
1.4305

322.3489,

 2.4535, 1.8549,

318.6953, 271.8730

0.1653

381.0809,  
378.0479, 327.0636

■ 0.8719, 0.5210,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 69.0557, 65.4331,  
46.5263

■ 69.0557, 65.4331,  
46.5263

■ 63.3142, 57.4148,  
33.9314

■ 75.6702, 74.4499,  
61.7168

■ 58.4010, 50.3498,  
23.7805

■ 83.1898, 84.4900,  
79.6349

■ 54.2743, 44.2027,  
15.9120

■ 91.6510, 95.5889,  
100.4082

■ 50.8865, 38.9319,  
10.1430

95.0500, 100.0000,  
108.9000

■ 48.1834, 34.4923,  
6.2622

■ 46.1014, 30.8330,  
4.0118

■ 45.0615, 28.9030,  
3.2038

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.4939, 65.4331, 57.2544



69.0557, 65.4331, 46.5263



62.9924, 65.4331, 42.3694

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.0557, 65.4331, 46.5263



51.0607, 65.4331, 68.9878



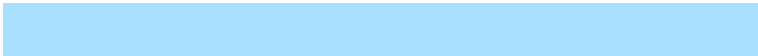
67.5864, 65.4331, 106.4136

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



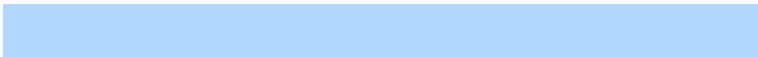
69.0557, 65.4331, 46.5263



61.0669, 68.9639, 104.7005

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



61.3988, 65.4331, 110.9368



69.0557, 65.4331, 46.5263



52.1130, 65.4331, 87.3483

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.0557, 65.4331, 46.5263



52.8244, 65.4331, 53.9054



55.7992, 65.4331, 103.4596



72.6068, 65.4331, 91.9547



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.0557, 65.4331, 46.5263



58.9393, 65.4331, 43.2737



55.7992, 65.4331, 103.4596



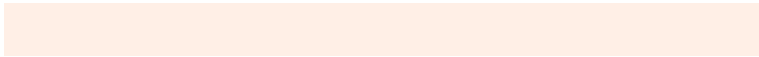
65.5626, 65.4331, 109.2397

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



69.0573, 65.4361, 46.5276



86.2296, 88.4988, 87.0325



69.0053, 55.0673, 78.1551



18.2079, 18.6149, 18.0211



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.0573, 65.4361, 46.5276



65.3543, 60.2889, 38.3294



80.1836, 87.6886, 50.2364



18.5454, 19.0589, 18.8456



23.6739, 15.3590, 1.7168

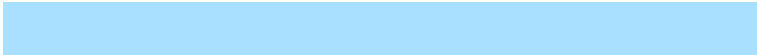


2.4042, 1.6938, 0.2002

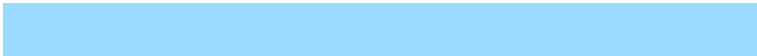


# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



61.0669, 68.9639, 104.7005



56.3170, 64.2525, 104.0415



51.1203, 49.0707, 101.3850



17.9718, 19.3152, 23.0309



16.4278, 17.7652, 51.9978



1.7032, 1.9371, 5.0974



# Previews

## White Background



This preview shows how the XYZ color 69.0557, 65.4331, 46.5263 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

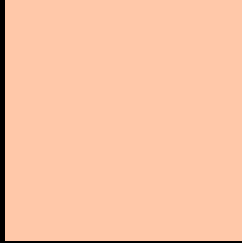
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.0557, 65.4331, 46.5263 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 69.0557, 65.4331, 46.5263**

## **Background**



This preview shows how black text looks on a background with the XYZ color 69.0557, 65.4331, 46.5263.



This preview shows how white text looks on a background with the XYZ color 69.0557, 65.4331,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

69.0557, 65.4331, 46.5263

### Protanopia

61.6747, 65.4918, 49.4350

### Deuteranopia

66.7816, 65.3132, 46.1327



## Tritanopia

72.6128, 65.3930, 69.7678

# Trichromacy



## Original Color

69.0557, 65.4331, 46.5263

## Protanomaly

64.0202, 65.2664, 48.2532

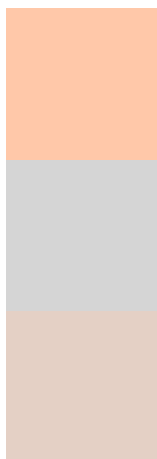
## Deuteranomaly

67.6128, 65.3922, 46.1042

## Tritanomaly

71.0566, 65.1326, 60.4565

# Monochromacy



## Original Color

69.0557, 65.4331, 46.5263

## Achromatopsia

63.2451, 66.5387, 72.4607

## Achromatomaly

64.6288, 65.6369, 62.0862

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.0557, 65.4331, 46.5263 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 200, 169)` looks like.

```
.text, #text, p{  
    color:rgb(255, 200, 169)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 200, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 200, 169) }
```

## Border

The CSS property to change the border of an element to XYZ 69.0557, 65.4331, 46.5263 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 200, 169) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 200, 169) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 200, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 200, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 200, 169);  
box-shadow:4px 4px 4px 4px rgb(255, 200,  
169) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.0557, 65.4331, 46.5263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 200, 169) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
200, 169) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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